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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A system comprising:

a software dispatcher in a telephony Internet server coupled between a packet network and a private branch exchange, the software dispatcher configured to dynamically add software system application features associated with and balance system workload between said private branch exchange and said packet network and adapted to maintain a list of dispatcher clients ~~message receivers~~; and

a plurality of dispatcher clients ~~message receivers~~ adapted to identify to said software dispatcher particular messages for receiving;

said software dispatcher adapted to send messages to said plurality of dispatcher clients synchronously and asynchronously.

2. (previously presented) The system in accordance with claim 1, wherein said software dispatcher is adapted to save asynchronous messages for later transmission in one or more logical message queues.

3. (currently amended) The system in accordance with claim 2, wherein messages are dispatched to identified ones of said plurality of dispatcher clients in order of dispatcher client [[their]] priority.

4. (previously presented) The system in accordance with claim 2, sent said messages being sent as flexible message parameters comprising name, type, and value fields.

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5. (currently amended) The system in accordance with claim 4, wherein the software dispatcher manages a pool of message threads to balance said system workload and said value field further comprises another flexible message parameter.

6. (currently amended) The system in accordance with claim 1, wherein said software dispatcher maintains said list as a list of unique integers identifying which dispatcher clients indicated they receivers are to receive particular messages and each of said messages is identified to said software dispatcher by a message number.

7. (currently amended) A method, comprising:

maintaining a list of dispatcher clients message receivers at a software dispatcher, said software dispatcher configured to dynamically add software features to software subsystems and balance workload between a packet network and a private branch exchange, said dispatcher clients message receivers comprising software subsystems, said list comprising a list of integers identifying which dispatcher clients receivers are to receive particular messages, said dispatcher clients receivers registering to receive predetermined messages with said dispatcher; and

dispatching messages to said dispatcher clients message receivers synchronously and asynchronously.

8. (previously presented) The method in accordance with claim 7, said asynchronously dispatching messages comprising saving asynchronous messages for later transmission in one or more logical message queues.

9. (currently amended) The method in accordance with claim 8, comprising dispatching messages in order of registered dispatcher client priority.

10. (currently amended) The method in accordance with claim 9, wherein the step of dispatching messages comprises dispatching messages as flexible message parameters comprising name, type, and value fields, and wherein only dispatcher clients identified to receive particular messages is aware of both content and destination of respective said particular messages.

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11. (currently amended) The method in accordance with claim 7 [[10]], wherein the step of maintaining further comprises managing a pool of message threads to balance said workload responsive to said pool ~~said value field further comprises another flexible message parameter~~.

12. (currently amended) A telecommunication system, comprising:

a private branch exchange;

a server coupled to the private branch exchange, the server adapted to interface the private branch exchange to a packet network, ~~the server including;~~ and

a software dispatcher in said server adapted to receive and dispatch one or more messages for dynamically adding software features to one or more software subsystems and to balance system workload, the dispatcher identifying and distributing the messages by unique integer and node.

13. (currently amended) The telecommunications system in accordance with claim 12, wherein said one or more software subsystems provide said dispatcher with an identification of a message to be delivered and said dispatcher identifies a destination, whereby each of said one or more software subsystems is unaware of respective identified destinations.

14. (currently amended) The telecommunications system in accordance with claim 12, wherein said dispatcher maintains a list of ~~messages and~~ registered receivers and message numbers, each distributed message being identified to said dispatcher by one of said message numbers.

15. (currently amended) The telecommunications system in accordance with claim 12, wherein said one or more software subsystems are adapted to register with said dispatcher for receiving particular messages and the software dispatcher maintains a pool of message threads to balance said system workload.

16. (currently amended) A system comprising:

a software dispatcher configured to dynamically add software system features to dispatcher clients and manage a pool of message threads to balance workload between a packet network and a private branch exchange, the software dispatcher adapted to maintain a list of

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dispatcher clients, messages being selectively sent between the dispatcher clients ~~message receivers~~, the dispatcher clients ~~message receivers~~ including one or more software applications;
and

a plurality of the dispatcher clients ~~message-receivers~~ adapted to identify to said software dispatcher particular messages for receiving from other dispatcher clients, wherein said other dispatcher clients identify messages for sending to said software dispatcher;

said software dispatcher adapted to send messages to identified receiving ones of said plurality of dispatcher clients synchronously and asynchronously.

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